

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090116\
 Data File : BF089964.D
 Acq On : 1 Sep 2016 11:43
 Operator : UM/SJ
 Sample : PB93161BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 13:54:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

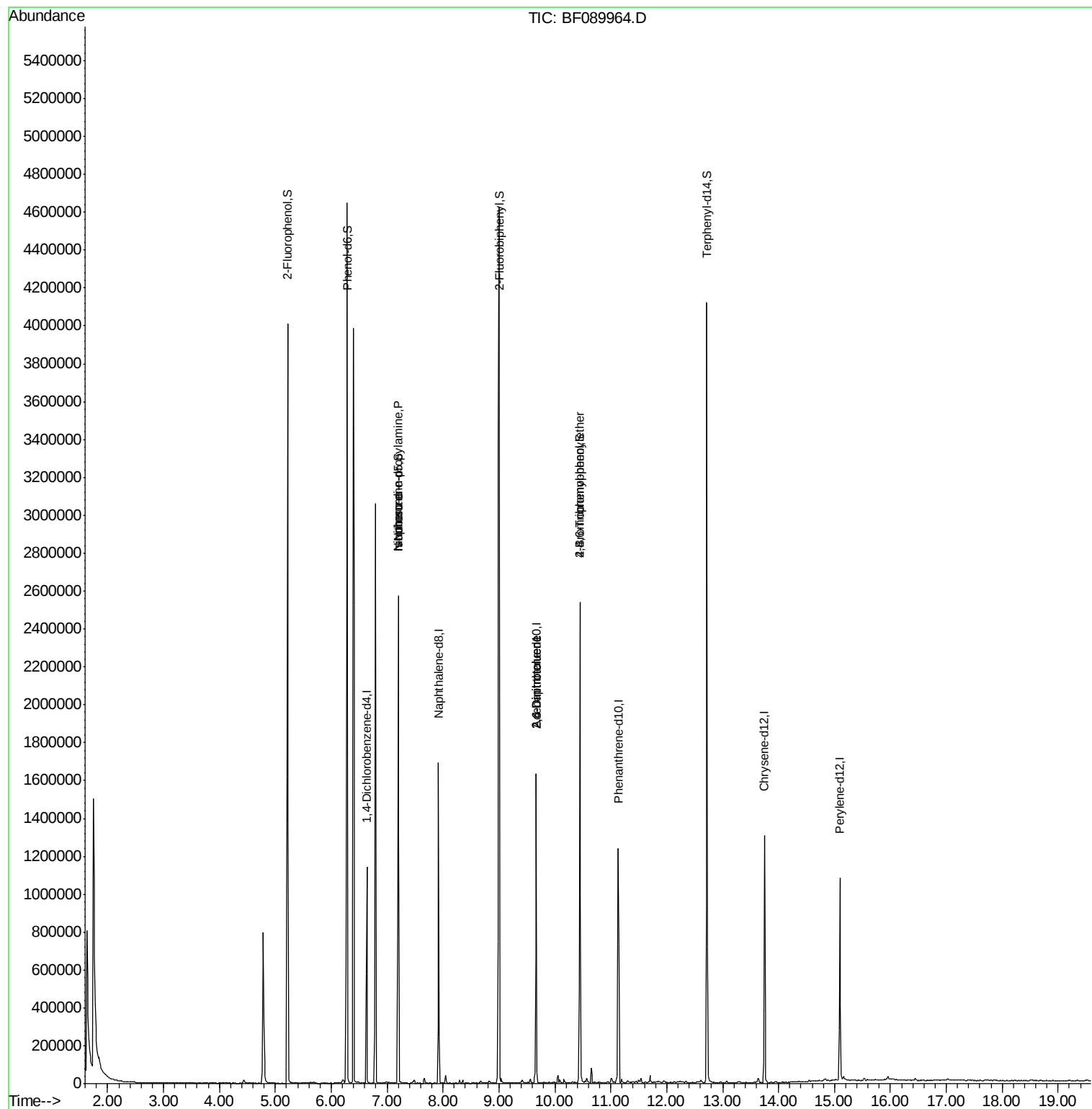
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	203774	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	762182	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	373302	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	574759	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	455949	20.00	ng	-0.01
86) Perylene-d12	15.10	264	455137	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1459359	114.63	ng	0.01
7) Phenol-d6	6.28	99	1934004	125.02	ng	0.01
23) Nitrobenzene-d5	7.20	82	1060561	80.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	374411	101.66	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	2106865	92.65	ng	0.00
78) Terphenyl-d14	12.72	244	1358467	73.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	139034	13.79	ng	# 83
25) Isophorone	7.20	82	882809	33.03	ng	# 65
50) 2,6-Dinitrotoluene	9.67	165	46865	7.81	ng	# 26
56) 2,4-Dinitrotoluene	9.67	165	46865	6.16	ng	# 30
66) 4-Bromophenyl-phenylether	10.44	248	23444	4.05	ng	# 1

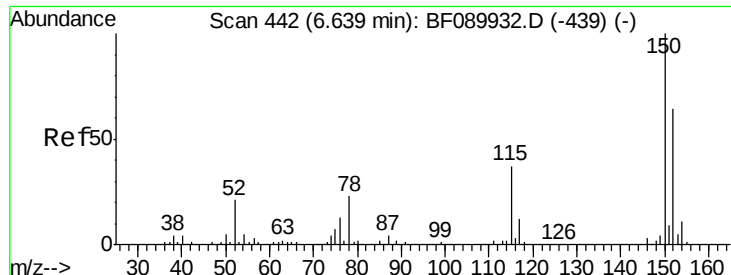
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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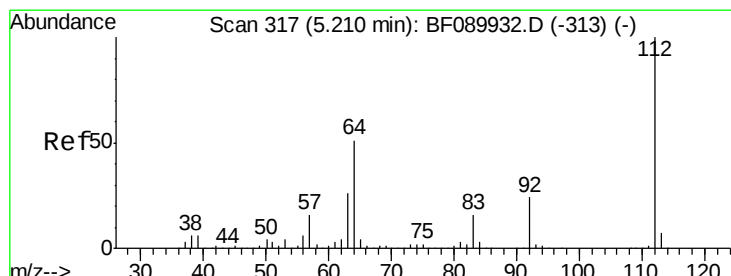
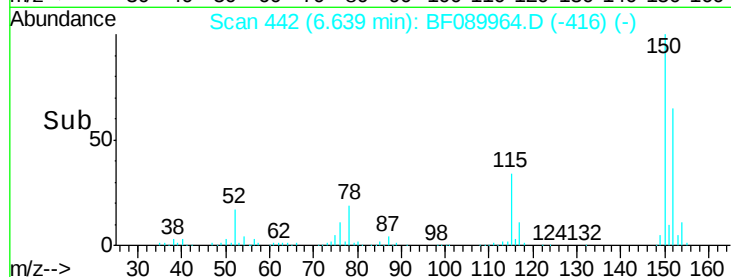
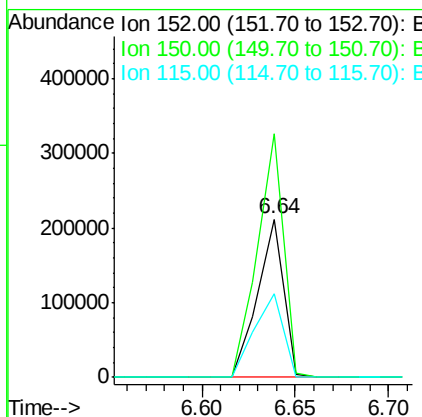
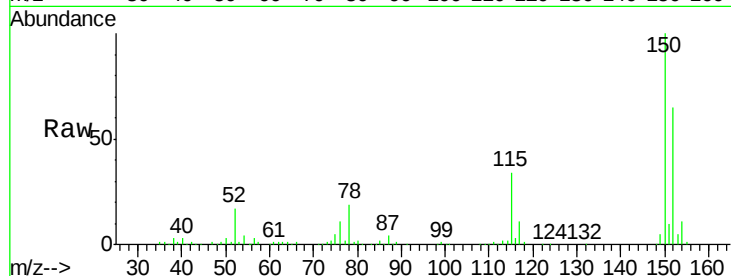


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.00 min
Lab File: BF089964.D
Acq: 1 Sep 2016 11:43

Instrument :
BNA_F
ClientSampleId :

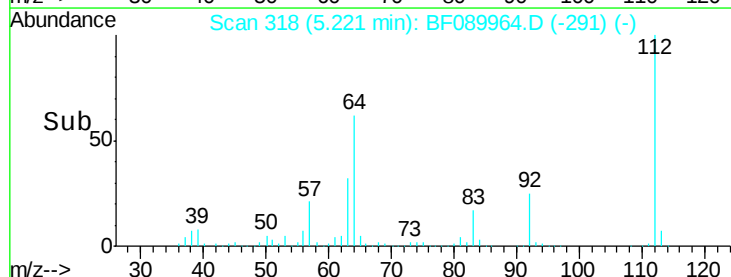
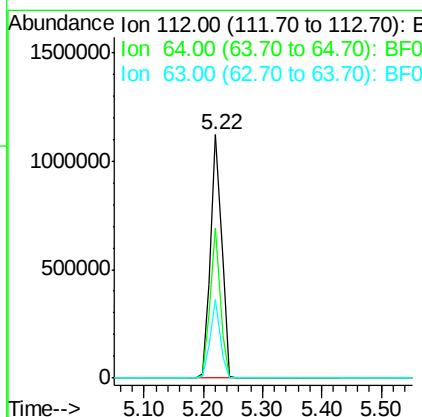
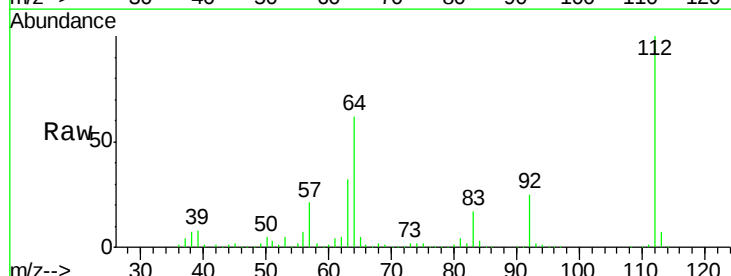
Tot Ion:152 Resp: 203774
Ion Ratio Lower Upper
152 100
150 153.6 127.4 191.2
115 53.0 46.3 69.5



#5

2-Fluorophenol
Concen: 114.63 ng
RT: 5.22 min Scan# 318
Delta R.T. 0.01 min
Lab File: BF089964.D
Acq: 1 Sep 2016 11:43

Tgt Ion:112 Resp: 1459359
Ion Ratio Lower Upper
112 100
64 61.8 41.1 61.7#
63 32.1 21.2 31.8#





#7

Phenol-d6

Concen: 125.02 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

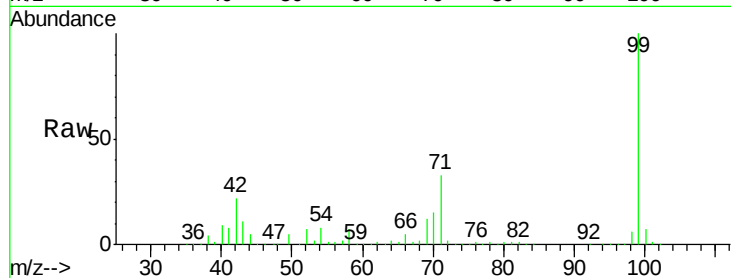
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1934004

Ion	Ratio	Lower	Upper
99	100		
42	22.2	18.6	27.8
71	32.6	25.8	38.6

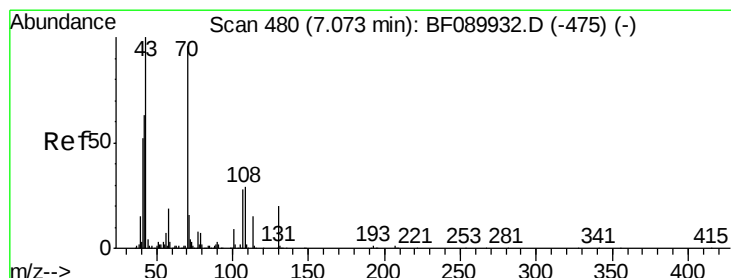
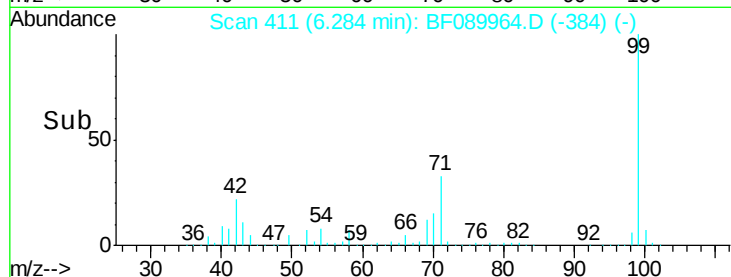
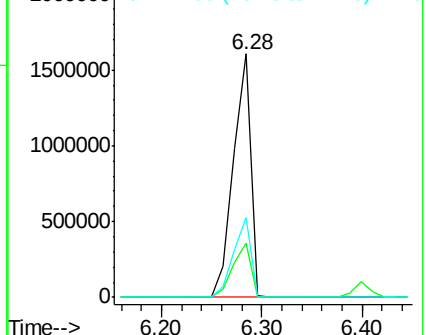


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.79 ng

RT: 7.20 min Scan# 491

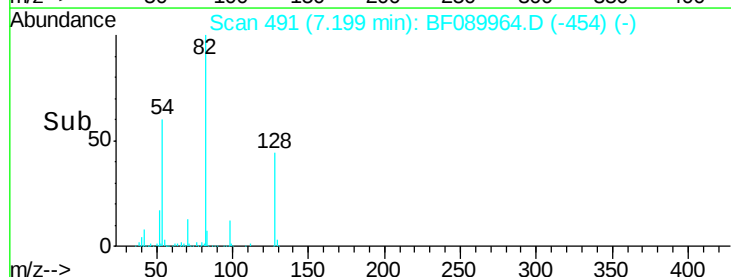
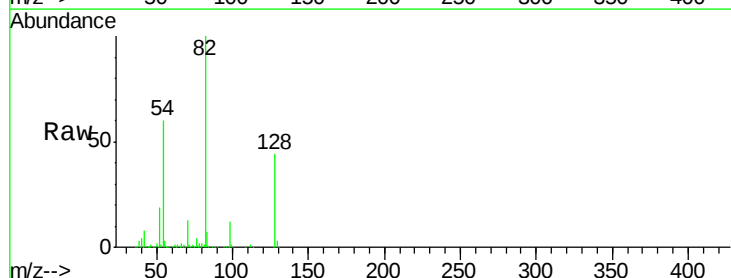
Delta R.T. 0.13 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

Tgt Ion: 70 Resp: 139034

Ion	Ratio	Lower	Upper
70	100		
42	58.6	52.1	78.1
101	0.0	7.4	11.2#
130	2.0	17.0	25.4#



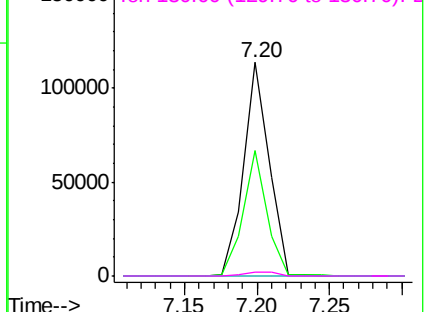
Abundance

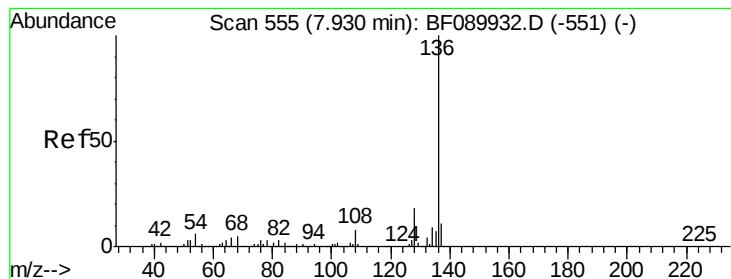
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 762182

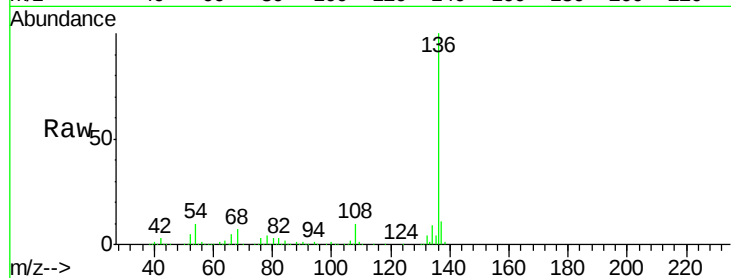
Ion Ratio Lower Upper

136 100

137 11.1 8.3 12.5

54 9.8 4.8 7.2#

68 6.7 3.7 5.5#

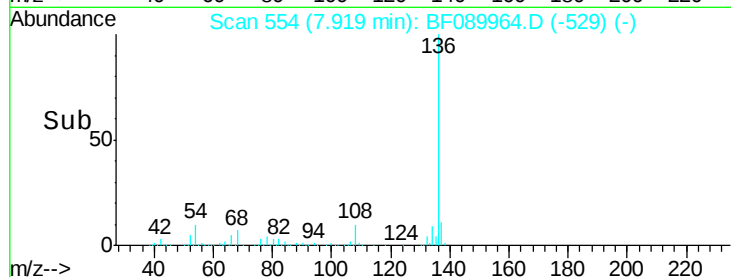


Abundance Ion 136.00 (135.70 to 136.70): E

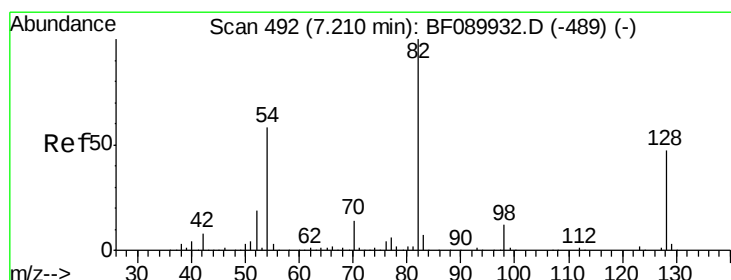
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.80 7.90 8.00



#23

Nitrobenzene-d5

Concen: 80.70 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

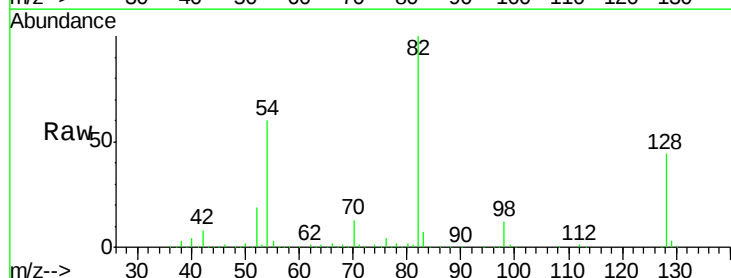
Tgt Ion: 82 Resp: 1060561

Ion Ratio Lower Upper

82 100

128 44.3 37.8 56.8

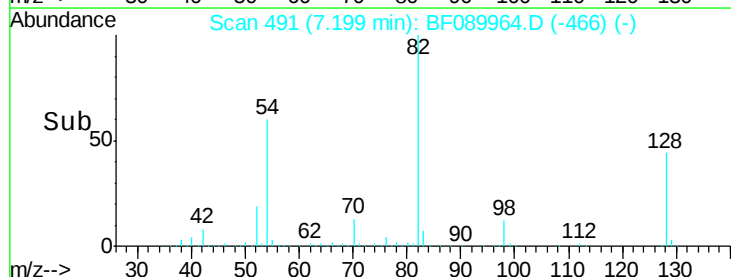
54 60.4 46.9 70.3



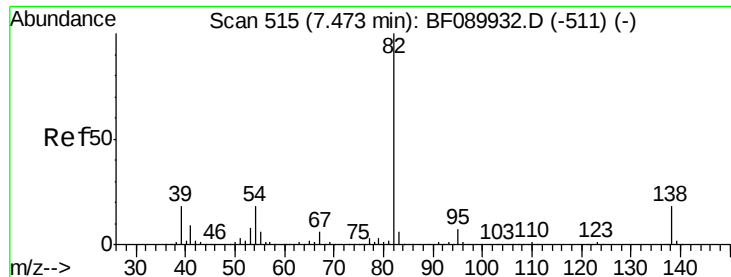
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.10 7.20 7.30



#25

Isophorone

Concen: 33.03 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.27 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

Instrument :

BNA_F

ClientSampleId :

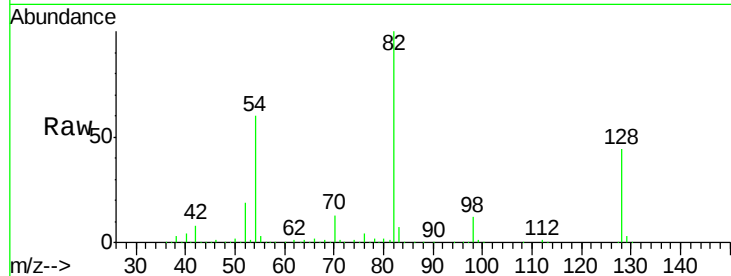
Tot Ion: 82 Resp: 882809

Ion Ratio Lower Upper

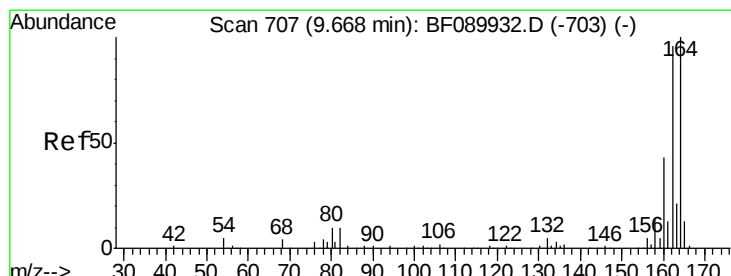
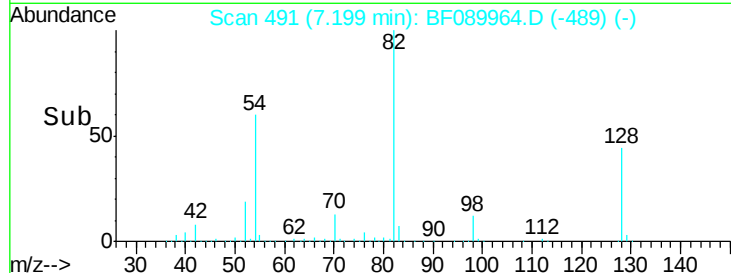
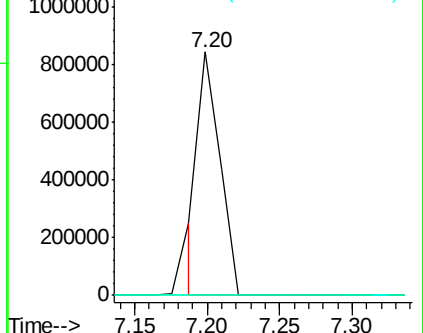
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

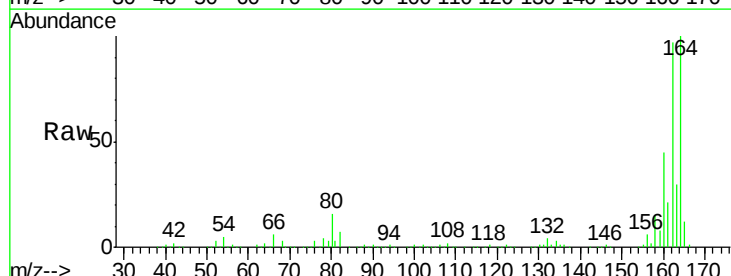
Tgt Ion: 164 Resp: 373302

Ion Ratio Lower Upper

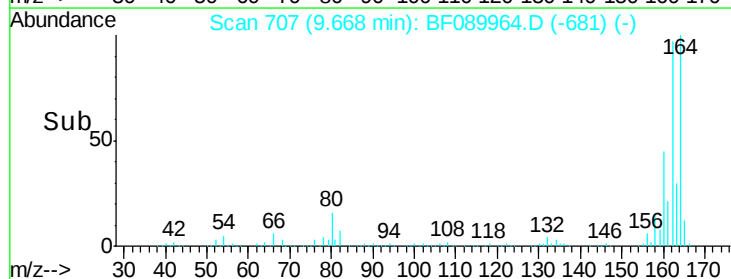
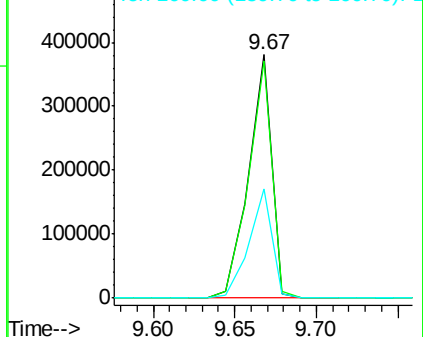
164 100

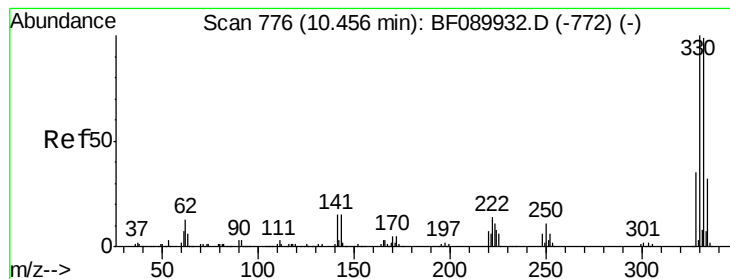
162 97.5 77.1 115.7

160 45.0 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 101.66 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

Instrument :

BNA_F

ClientSampleId :

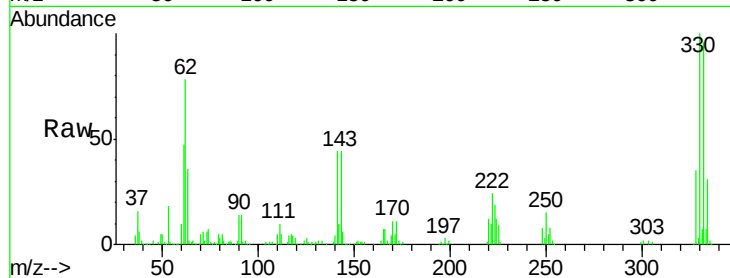
Tot Ion:330 Resp: 374411

Ion Ratio Lower Upper

330 100

332 97.2 78.6 117.8

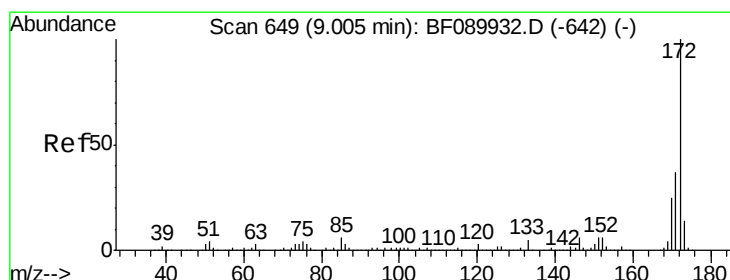
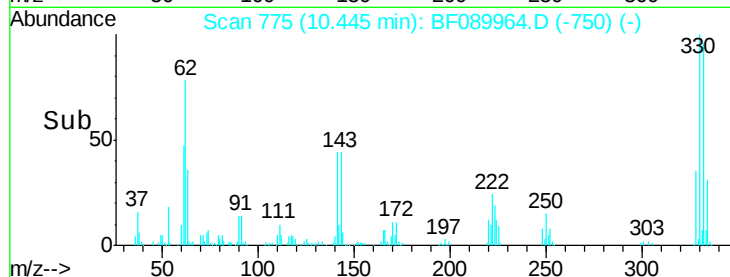
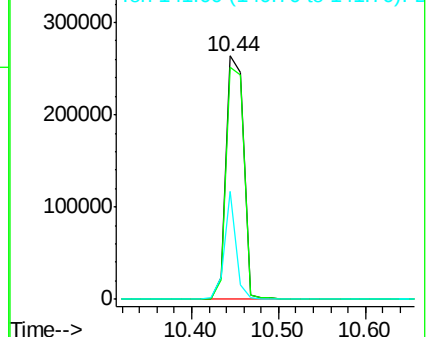
141 29.4 23.3 34.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 92.65 ng

RT: 9.00 min Scan# 649

Delta R.T. -0.00 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

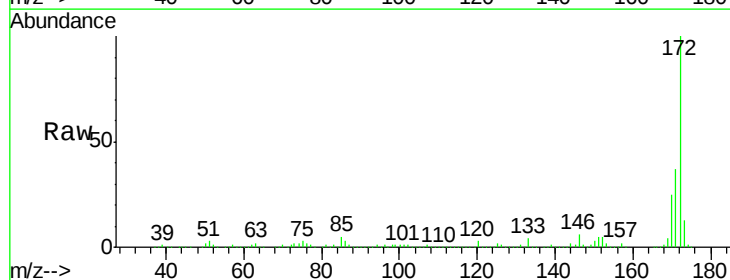
Tgt Ion:172 Resp: 2106865

Ion Ratio Lower Upper

172 100

171 36.9 29.4 44.2

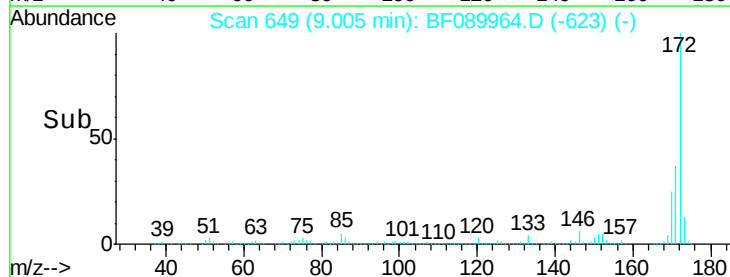
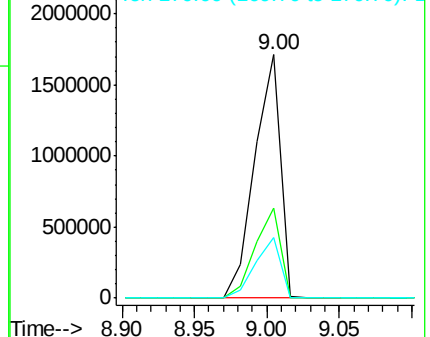
170 24.8 20.1 30.1

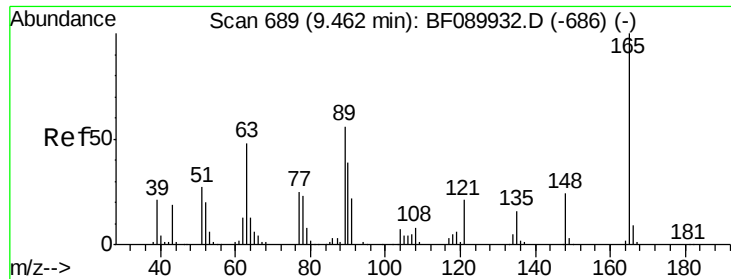


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

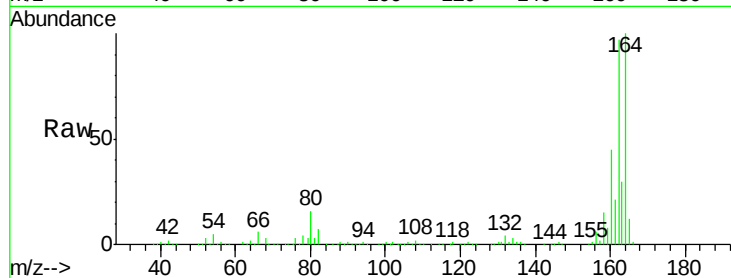




#50
 2,6-Dinitrotoluene
 Concen: 7.81 ng
 RT: 9.67 min Scan# 707
 Delta R.T. 0.21 min
 Lab File: BF089964.D
 Acq: 1 Sep 2016 11:43

Instrument :
 BNA_F
 ClientSampleId :

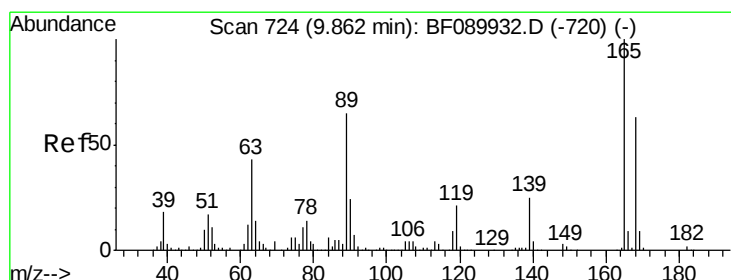
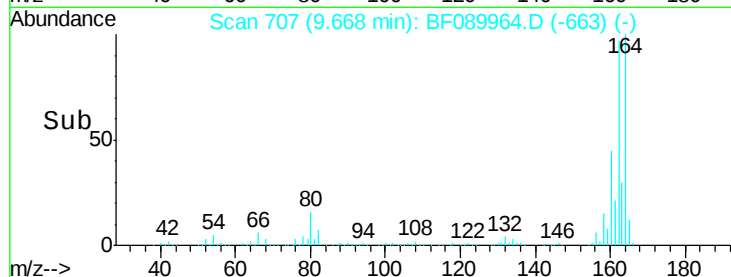
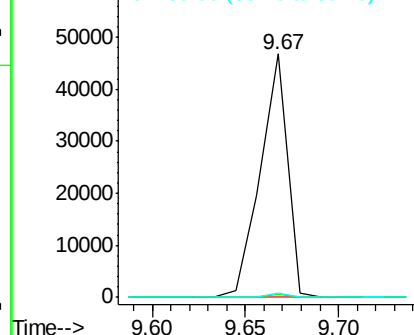
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	45.0	67.4#
89	1.5	41.5	62.3#



Abundance Ion 165.00 (164.70 to 165.70): E

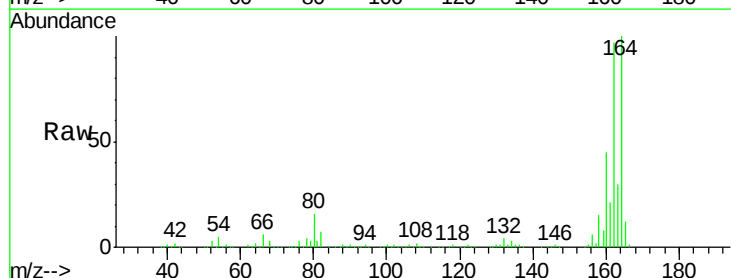
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.16 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.19 min
 Lab File: BF089964.D
 Acq: 1 Sep 2016 11:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	32.5	48.7#
89	1.5	48.3	72.5#
182	0.0	1.7	2.5#

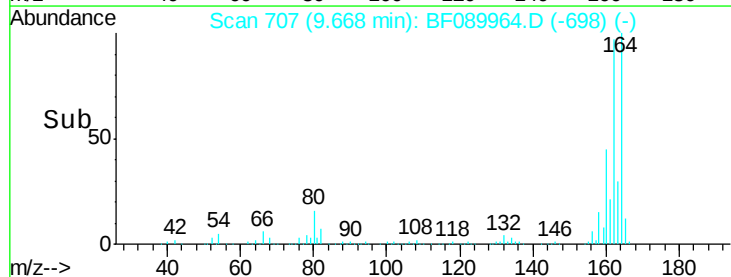
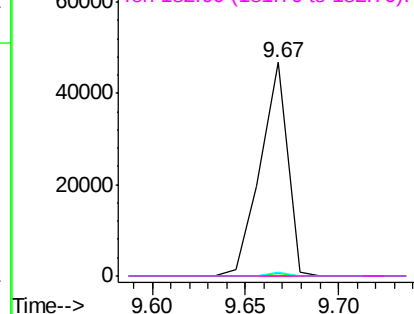


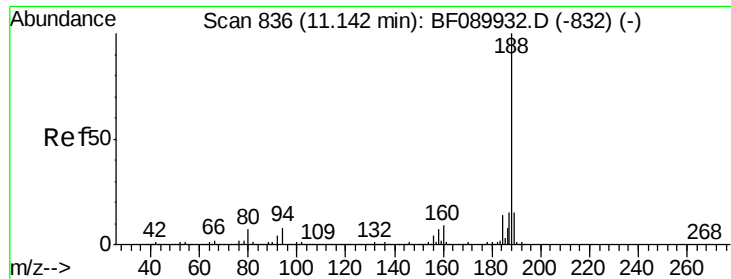
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

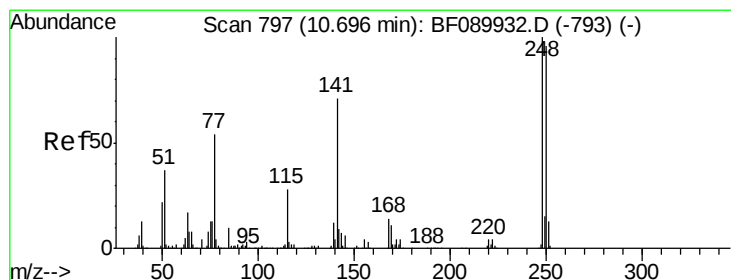
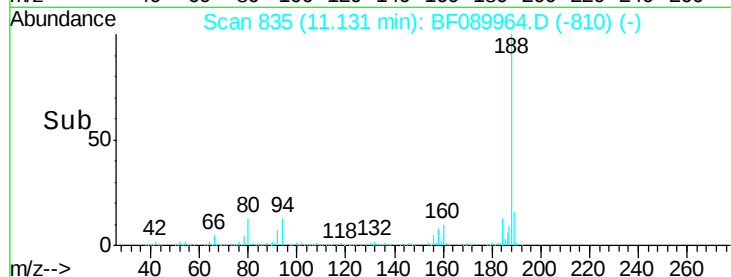
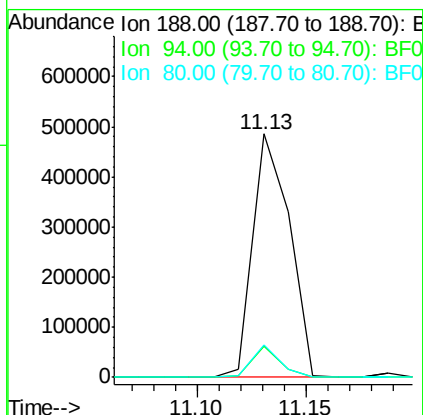
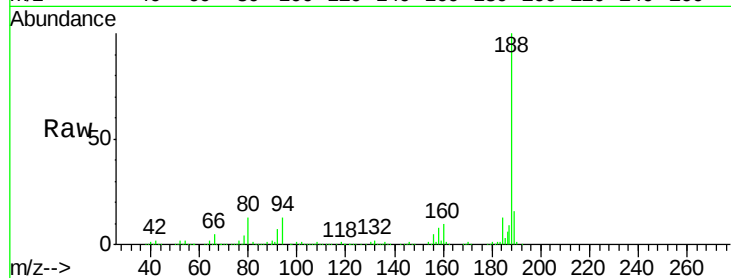




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF089964.D
Acq: 1 Sep 2016 11:43

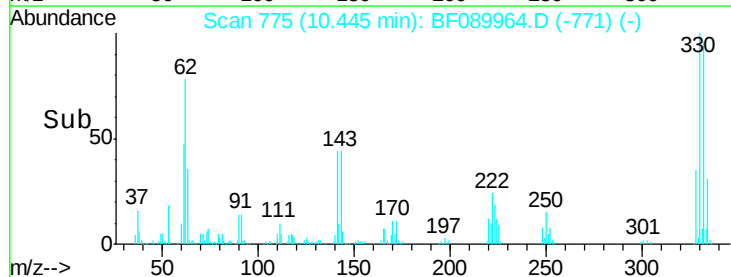
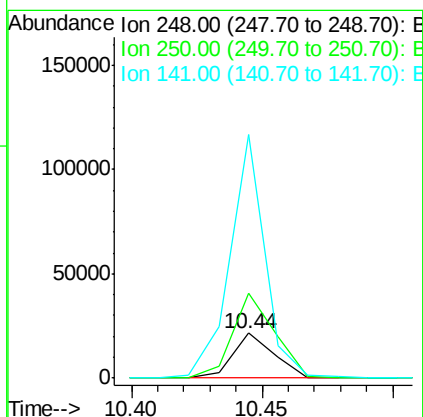
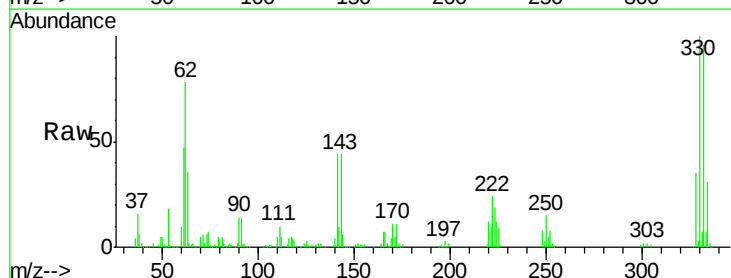
Instrument :
BNA_F
ClientSampleId :

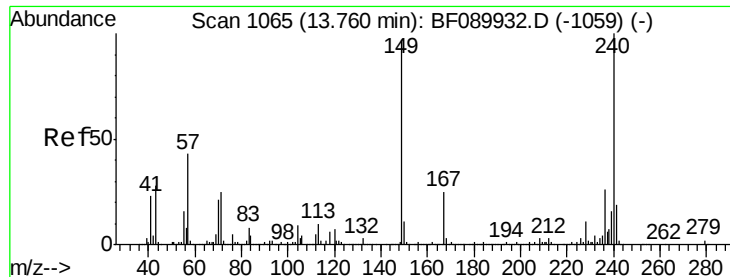
Tot Ion:188 Resp: 574759
Ion Ratio Lower Upper
188 100
94 13.0 5.9 8.9#
80 13.4 5.8 8.8#



#66
4-Bromophenyl-phenylether
Concen: 4.05 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.25 min
Lab File: BF089964.D
Acq: 1 Sep 2016 11:43

Tgt Ion:248 Resp: 23444
Ion Ratio Lower Upper
248 100
250 188.7 77.3 115.9#
141 539.4 55.8 83.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

Instrument :

BNA_F

ClientSampleId :

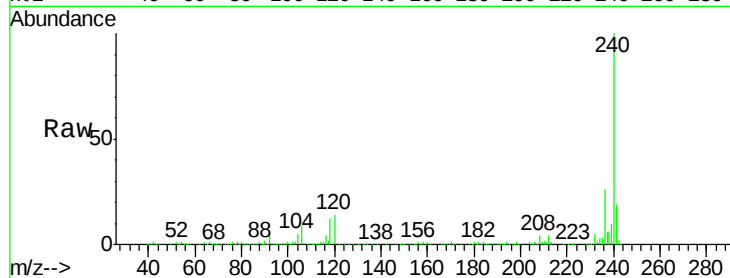
Tot Ion:240 Resp: 455949

Ion Ratio Lower Upper

240 100

120 14.5 5.7 8.5#

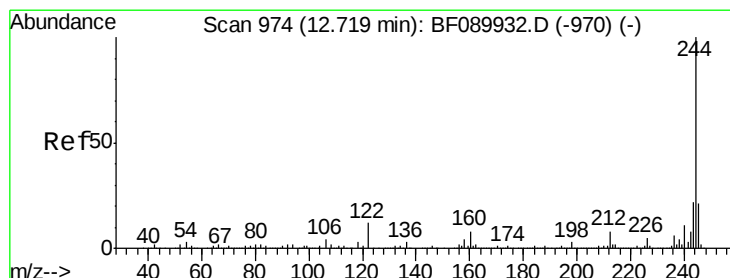
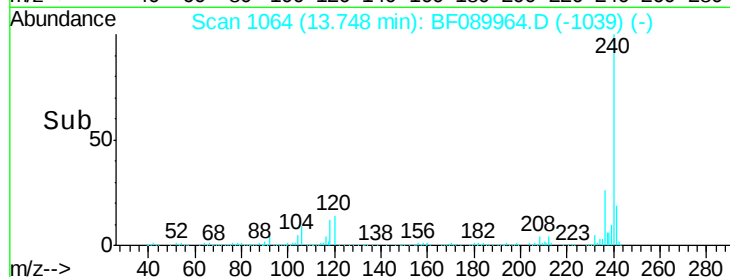
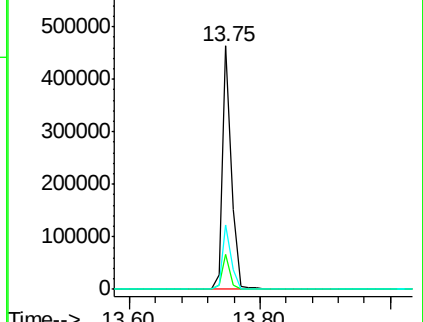
236 26.4 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 73.60 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

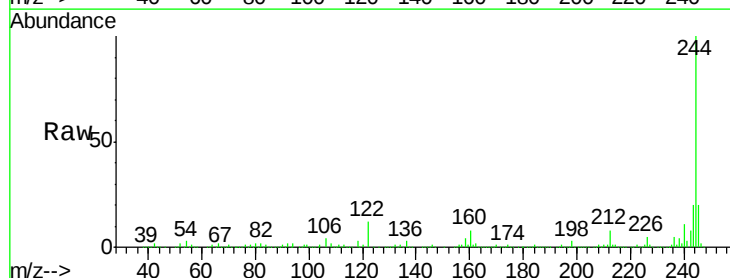
Tgt Ion:244 Resp: 1358467

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

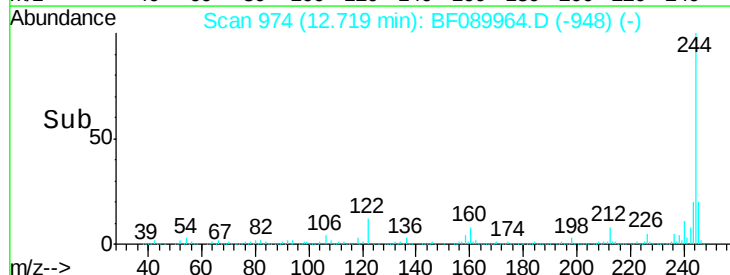
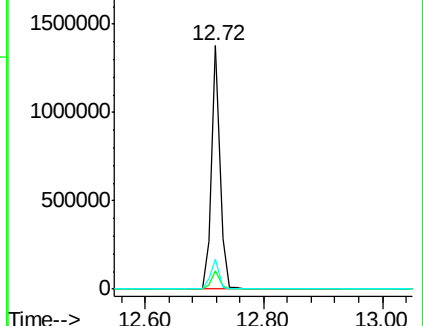
122 12.3 9.6 14.4

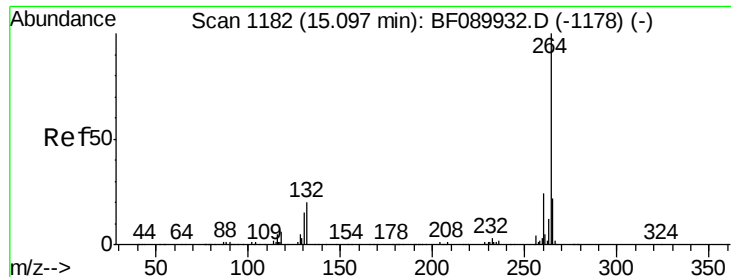


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF089964.D
Acq: 1 Sep 2016 11:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.6	17.4	26.2

